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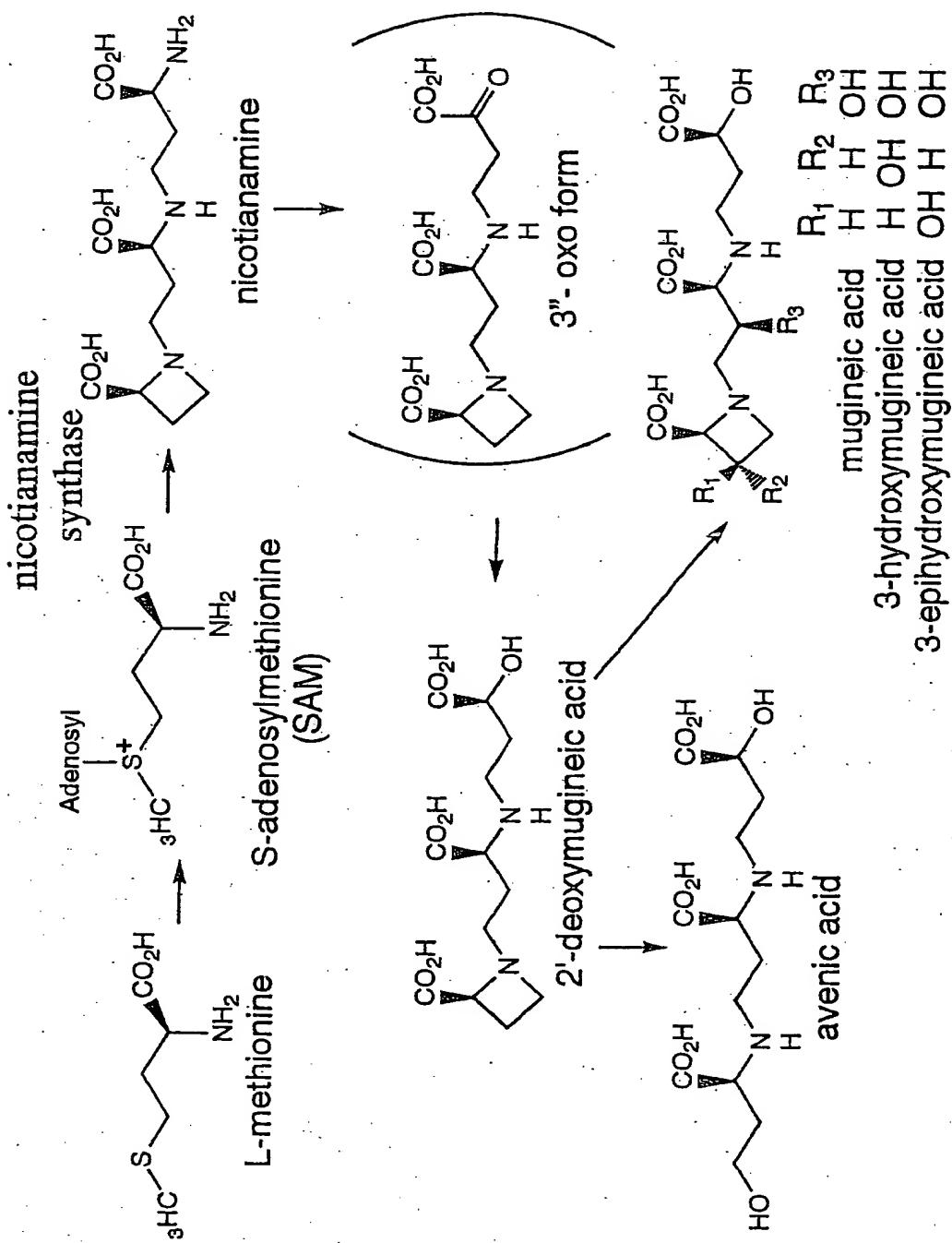
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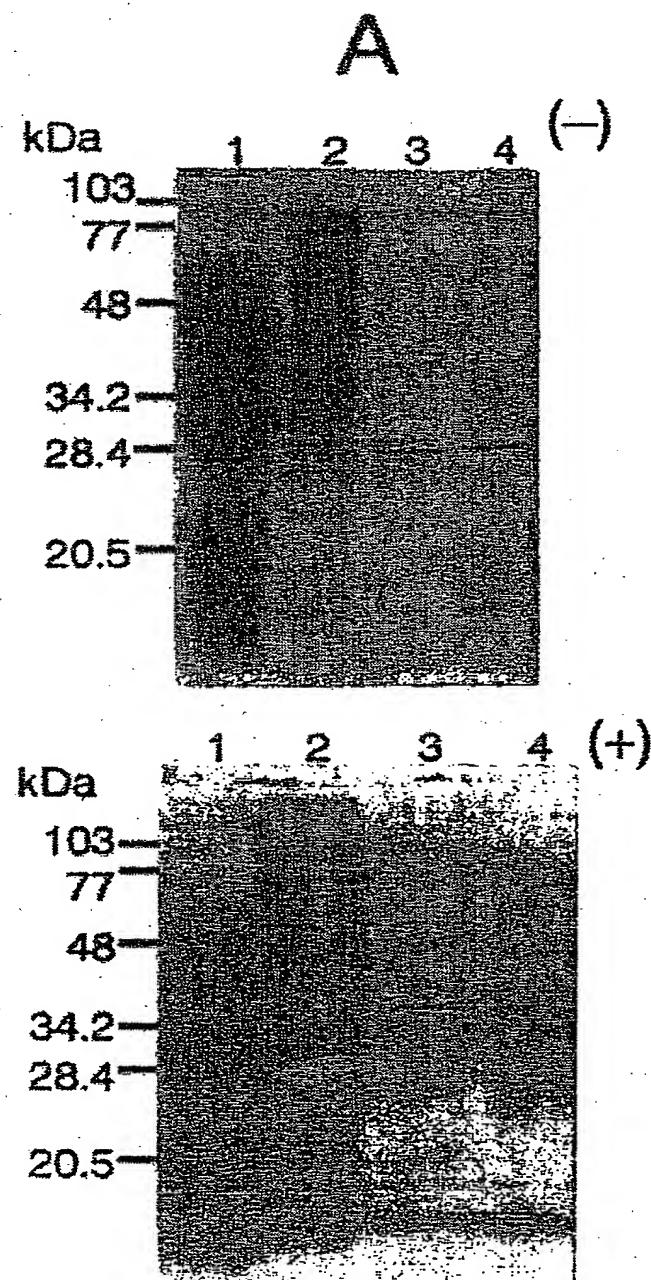
[Document Name] Drawing

[Figure 1]



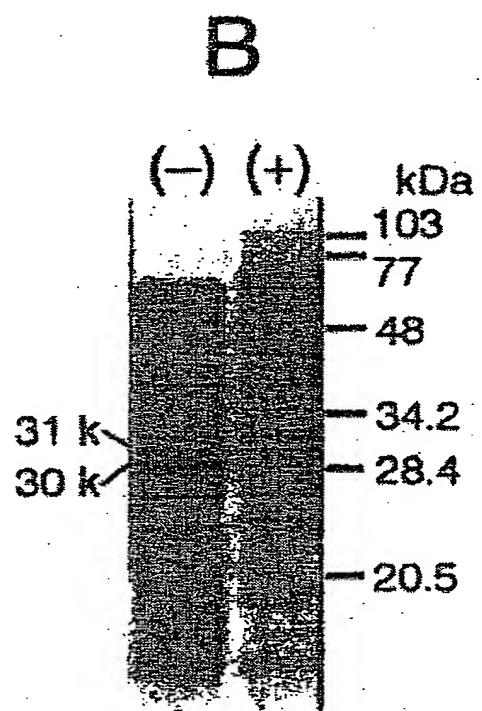
[Figure 2]

Photograph Substituted for Drawing



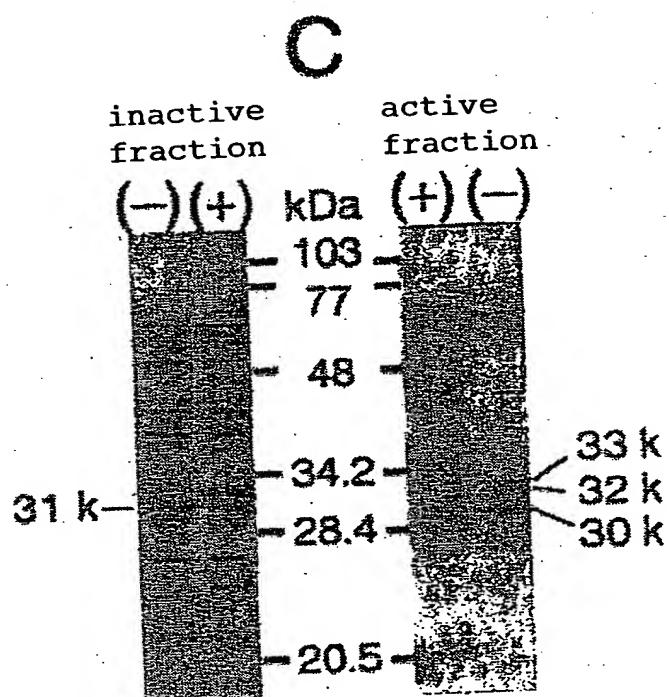
[Figure 2]

Photograph Substituted for Drawing



[Figure 2]

Photograph Substituted for Drawing



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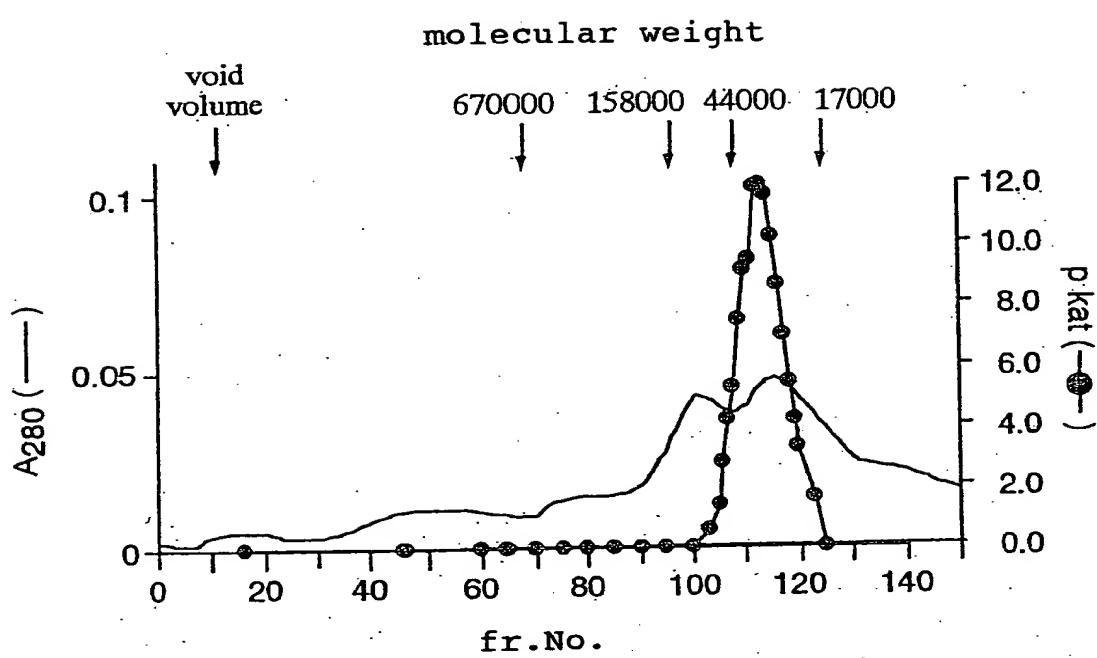
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[Figure 3]

Photograph Substituted for Drawing



[Figure 4]



[Figure 5]

Photograph Substituted for Drawing

33,32 kDa -1 DAQNKEVAALIEKIAIGIQA
 :::::::::::::::::::::
 :: MEAQNQEVAALVERKIAGLHAAISKLPSLSPSAEVDALFTDOLVTACVPASPVDVAKLGPEAQAMREELIRLC
 :: NF primer
 ↓
 rice (D24790) YVNLSKLEYDLVRYVPGIAPTRVAFVGSGPLPFSSLVLAHHHLPAVFDNYDRCGAANERARRLFRGÄDEGLQARM~
 :: IF primer
 ~AFHTADEVATLTGEIAGAYDVFLATLVGMAAEKEP
 ↓
 SFHTADAVADLTQELGAYDVFLAALVDMAAEEKAKVIAHLGAHMVEGASLVYSAHGARGFLYP
 :: IR primer
 :::::::::::::::::::::
 AFHTAEVTDLTAEIIGAYDV
 30 kDa -2 ADGAVLVARSAHGARAFLYPVWELDDVGR

 33,32 kDa -3
 30 kDa -1

 33,32 kDa -4 PEDIRGGFEVLAVVHPEGE

[Figure 6]

Photograph Substituted for Drawing

	GCG TTC AGA GGC TTC CAG AGT TCT TCC GGT CAC CAA GAA GCA TTT GAT CAT AAC	54
19	ATG GAT GCC CAG AAC AAG GAG GTC GCT GCT CTG ATC GAG AAG ATC GCC GGT ATC M D A Q N K E V A A L I E K I A G I	108
37	CAG GCC GCC ATC GCC GAG CTG CCG TCG CTG AGC CCG TCC CCC GAG GTC GAC AGG Q A A I A E L P S L S P S P E V D R	162
55	CTC TTC ACC GAC CTC GTC ACG GCC TGC CCG CCG AGC CCC GTC GAC GTG ACG L F T D L V T A C V P P S P V D V T	216
73	AAG CTC AGC CCG GAG CAC CAG AGG ATG CGG GAG GCT CTC ATC CGC TTG TGC TCC K L S P E H Q R M R E A L I R L C S	270
91	GCC GCC GAG GGG AAG CTC GAG GCG CAC TAC GCC GAC CTG CTC GCC ACC TTC GAC A A E G K L E A H Y A D L L A T F D	324
109	AAC CCG CTC GAC CAC CTC GGC CTC TTC CCG TAC TAC AGC AAC TAC GTC AAC CTC N P L D H L G L F P Y Y S N Y V N L	378
127	AGC AGG CTG GAG TAC GAG CTC CTG GCG CAC GTG CCG GGC ATC GCG CCG GCG S R L E Y E L L A R H V P G I A P A	432
145	CGC GTC GCC TTC GTC GGC TCC GGC CCG CTG CCG TTC AGC TCG CTC GTC CTC GCC R V A F V G S G P L P F S S L V L A	486
163	GCG CAC CAC CTG CCC GAG ACC CAG TTC GAC AAC TAC GAC CTG TGC GGC GCG GCG A H H L P E T Q F D N Y D L C G A A	540
181	AAC GAG CGC GCC AGG AAG CTG TTC GGC GCG AGC GCG GAC GGC GTC GGC GCG CGT N E R A R K L F G A T A D G V G A R	594
199	ATG TCG TTC CAC ACG GCG GAC GTC GCC GAC CTC ACC CAG GAG CTC GGC GCC TAC M S F H T A D V A D L T Q E L G A Y	648
217	GAC GTG GTC TTC CTC GCC GCG CTC GTC GGC ATG GCA GCC GAG GAG AAG GCC AAG D V V F L A A L V G M A A E E K A K	702
235	GTG ATT GCC CAC CTG GGC GCG CAC ATG GTG GAG GGG GCG TCC CTG GTC GTG CGG V I A H L G A H M V E G A S L V V R	756
253	AGC GCA CGG CCC CGC GGC TTT CTT TAC CCC ATT GTC GAC CCG GAG GAC ATC AGG S A R P R G F L Y P I V D P E D I R	810
271	CGG GGT GGG TTC GAG GTG CTG GCC GTG CAC CAC CCG GAA GGT GAG GTG ATC AAC R G G F E V L A V H H P E G E V I N	864
289	TCT GTC ATC GTC GCC CGT AAG GGC GTC GAA GCG CAG CTC AGT GGG CCG CAG AAC S V I V A R K A V E A Q L S G P Q N	918
307	GGA GAC GCG CAC GCA CGG GGC GCG GTG CCG TTG GTC AGC CCG CCA TGC AAC TTC G D A H A R G A V P L V S P P C N F	972
325	TCC ACC AAG ATG GAG GCG AGC GCG CTT GAG AAG AGC GAG GAG CTG ACC GCC AAA S T K M E A S A L E K S E E L T A K	1026
	GAG CTG GCC TTT TGA TTG AAG AGT GCG CGT GGT CAT TCT GTC GGC TGC GAT CGT E L A F *	1080
	GGT AAC TTT CCT ACT CGT GTG TGT TTT GAT GTT TGT GCC TGT AAG AGT TAT GCT TCC GGC CTT GTG CTG TTA ATT TAC ACG CGT TAC ATG TAG TAC TTG TAT TTA TAC	1134
	CTG GAA TAA CGG TAT GTA ACA TAA ATA TTA GTG GGA TTT GAA GTG TAA TGC TAA ATA ATA AGA AAA CTT GAT GCA GAC ATT CAA AAA AAA AAA AAA AAA AAA AA	1188
		1242

[Figure 7]

Photograph Substituted for Drawing

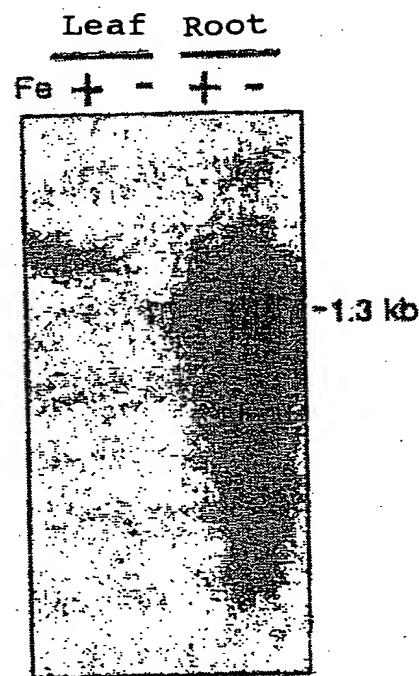
NAS 1	1	MDAQN--KEV AALIEKIAGI	QAAIAELPSL	SPSPEVDRLF	TDLVTACVPP	50
NAS 2	1	MAAQNN-QEV DALVEKITGL	HAAIAKLPNL	SPSPDVALF	TELVTACVPP	50
NAS 3	1	MAAQNNNKDV AALVEKITGL	HAAIAKLPNL	SPSPDVALF	TELVTACVPP	50
NAS 4	1	MDGQSE--EV DALVQKITGL	HAAIAKLPNL	SPSPDVALF	TDLVTACVPP	50
NAS 5-1	1	MEAENG--EV AALVEKITGL	HAAISKLPAL	SPSPQVDALF	TELVAACVPS	50
NAS 5-2	1	MDAGN--KEV DALVQKITGL	HAAIAKLPNL	SPSPDVALF	TDLVTACVPP	50
NAS 6	*	*	*** *** *	*** *** *	*** *** *	*** ***
NAS 1	51	SPVDVTKLSP EHQRMRREALI	RLCSAAEGKL	EAHYADLLAT	FDNPLDHGL	100
NAS 2	51	SPVDVTKLGP EAQEMREGLI	RLCSEAEGKL	EAHYSMDMLAA	FDKPLDHGLM	100
NAS 3	51	SPVDVTKLGP EAQEMREGLI	RLCSEAEGKL	EAHYSMDMLAA	FDNPLDHGLI	100
NAS 4	51	SPVDVTKLAP EAQAMREGLI	RLCSEAEGKL	EAHYSMDMLAA	FDNPLDHGLV	100
NAS 5-1	51	SPVDVTKLGP EAQEMRQDLI	RLCSAAEGLL	EAHYSMDMLTA	LDSPLDHGLR	100
NAS 5-2	51	SPVDVTKLGP EAQEMRQDLI	RLCSAAEGLL	EAHYSMDMLTA	LDSPLDHGLR	100
NAS 6	51	SPVDVTKLGS EAQEMREGLI	RLCSEAEGKL	EAHYSMDMLAA	FDNPLDHGLM	100
		*****	*** ***	*** ***	*** ***	*****
NAS 1	101	FPYYSNYVNLR SRLEYELLAR	HVPG-IAPAR	VAFVSGGPLP	FSSLVLAHH	150
NAS 2	101	FPYYNNYINL SKLEYELLAR	YVPGGYRPAR	VAFIGSGGPLP	FSSFVLAARH	150
NAS 3	101	FPYYSNYINL SKLEYELLAR	YVRR-HRPAR	VAFIGSGGPLP	FSSFVLAARH	150
NAS 4	101	FPYYSNYINL SKLEYELLAR	YVPGHRPAR	VAFIGSGGPLP	FSSYVLAARH	150
NAS 5-1	101	FPYFDNYVNLR SKLEHDLLAG	HW-----		FSSLFLATYH	150
NAS 5-2	101	FPYFSNYINL SKLEYELLAR	HV---AAPAR	VAFIGSGGPLP	FSSLFLATYH	150
NAS 6	101	FPYFSNYINL SKLEYELLAR	YVPGGIARPA	VAFIGSGGPLP	FSSYVLAARH	150
		*** ***	*** ***	(*** *****)	*** ***	*** ***
NAS 1	151	LPETQFDNYD LCGAANERAR	KLFGATADGV	GARMSFHTAD	VADLTQELGA	200
NAS 2	151	LPDTMFNDNYD LCGAANDRAS	KLFRADRD-V	GARMSFHTAD	VADLAGELAK	200
NAS 3	151	LPDTMFNDNYD LCGAANDRAS	KLFRADRD-V	GARMSFHTAD	VADLASELAK	200
NAS 4	151	LPDTVFNDNYD LCGAANDRAT	RLFRADKD-V	GARMSFHTAD	VADLTDELAT	200
NAS 5-1	151	LPDTRFNDNYD RCSVANGRAM	KL VGAADEGV	RSRMAFHTAE	VTDLTAEGLA	200
NAS 5-2	151	LPDTRFNDNYD RCSVANGRAM	KL VGAADEGV	RSRMAFHTAE	VTDLTAEGLA	200
NAS 6	151	LPDAMFDNYD LCSAANDRAS	KLFRADKD-V	GARMSFHTAD	VADLTRELAA	200
		** *****	* *** **	*	*** ***	*** ***
NAS 1	201	YDVFVFLAALV GMAAEKAKV	IAHLGAHMVE	GASLVVRSAR	P-RGFLYIV	250
NAS 2	201	YDVFVFLAALV GMAAEKAKV	IAHLGAHMAD	GAALVVRSAH	GARGFLYIV	250
NAS 3	201	YDVFVFLAALV GMAAEKAKV	IAHLGAHMAD	GAALVVRSAH	GARGFLYIV	250
NAS 4	201	YDVFVFLAALV GMAAEKAKV	IAHLGAHMAD	GAALVVRSAH	GARGFLYIV	250
NAS 5-1	201	YDVFVFLAALV GMTSKEKADA	IAHLGKHMAD	GAVLVARSASH	GARAFLYPVV	250
NAS 5-2	201	YDVFVFLAALV GMTSKEKADA	IAHLGKHMAD	GAVLVARSASH	GARAFLYPVV	250
NAS 6	201	YDVFVFLAALV GMAAEKAKV	IPHLGAHMAD	GAALVVRSAR	QARGFLYIV	250
		*****	*** ***	*** ***	*** ***	*** ***
NAS 1	251	DPEDIRGGF EVLAVHHPE-	GEVINSVIVA	RKAVERQLSG	PONGD---A	300
NAS 2	251	DPQDIGRGGF EVLAVCHPD-	DDVNSVIIA	QKSKDVBHADG	LGSGRGAGGQ	300
NAS 3	251	DPQDIGRGGF EVLAVCHPD-	DDVNSVIIA	QKSKEVHADG	LGSARGAGRQ	300
NAS 4	251	DPQDIGRGGF EVLAVCHPD-	DDVNSVIIA	QKSNDVHEYG	LGSGRG-GR-	300
NAS 5-1	251	ELDDVGRGGF QVLAVHHPAG	DEVFNFSIVA	RKVKMSA		
NAS 5-2	251	ELDDVGRGGF QVLAVHHPAG	DEVFNFSIVA	RKVKMSA		
NAS 6	251	DPQDIGRGGF EVLAVCHPD-	DDVNSVIIA	HKSKDVBHANE	RPNGRG-G-Q	300
		* *****	*****	* *** * *		
NAS 1	301	HARGA-VPLV SPPCNFSTKM	EASALE--KS	EELTAKELAF		
NAS 2	301	YARGT-VPVV SPPCRFGE-M	VADVTQNHKR	DEFANAEVAF		
NAS 3	301	YARGT-VPVV SPPCRFGE-M	VADVTQNHKR	DEFANAEVAF		
NAS 4	301	YARGTWPVV SPPCRFGE-M	VADVTQ--KR	EEFANAEVAF		
NAS 5-1						
NAS 5-2						
NAS 6						
	301	Y-RGA-VPVV SPPCRFGE-M	VADVT--HKR	EEFTNAEVAF		
		(** *****	***** * *	* * * * *		

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【Figure 9】

Photograph Substituted for Drawing

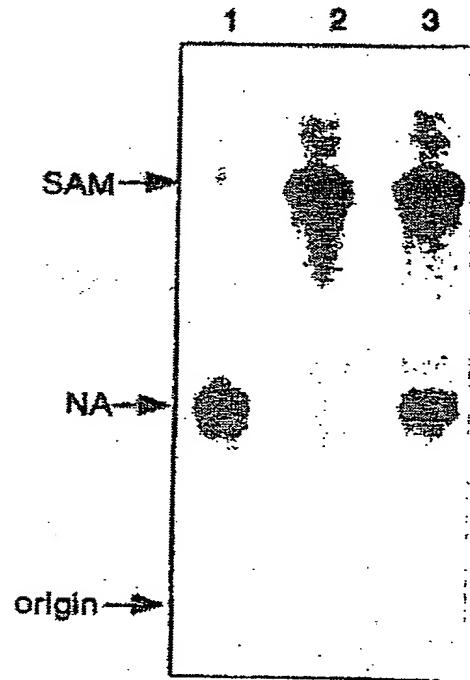


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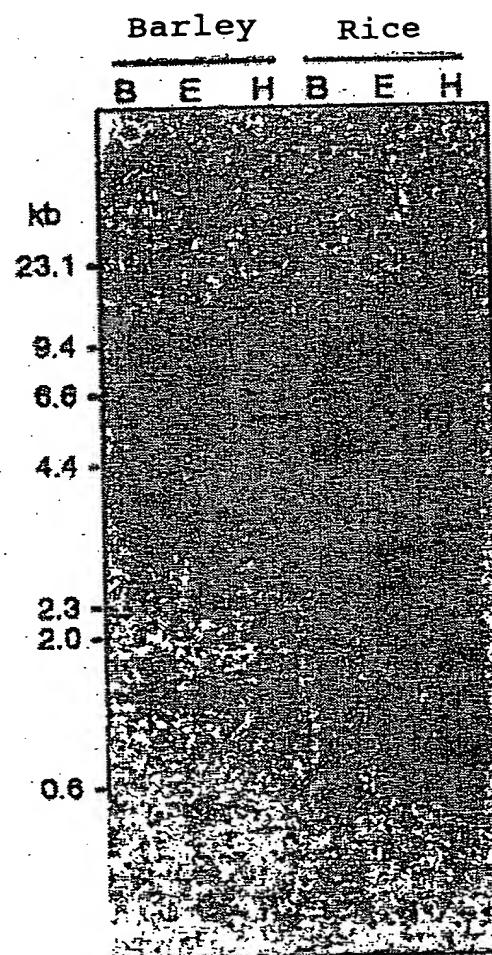
[Figure 8]

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[Figure 10]

Photograph Substituted for Drawing

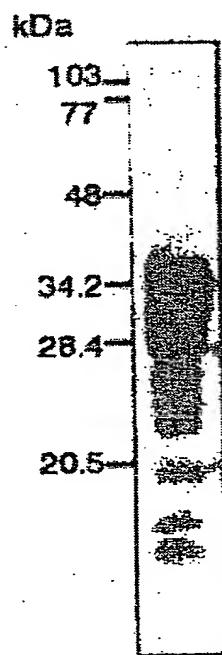


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[Figure 11]

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[Figure 12]

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